MYFLIX

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CASE STUDY

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ABOUT

Welcome to the MyFlix case study. This presentation will walk you through the development process of a comprehensive web application designed for movie enthusiasts.

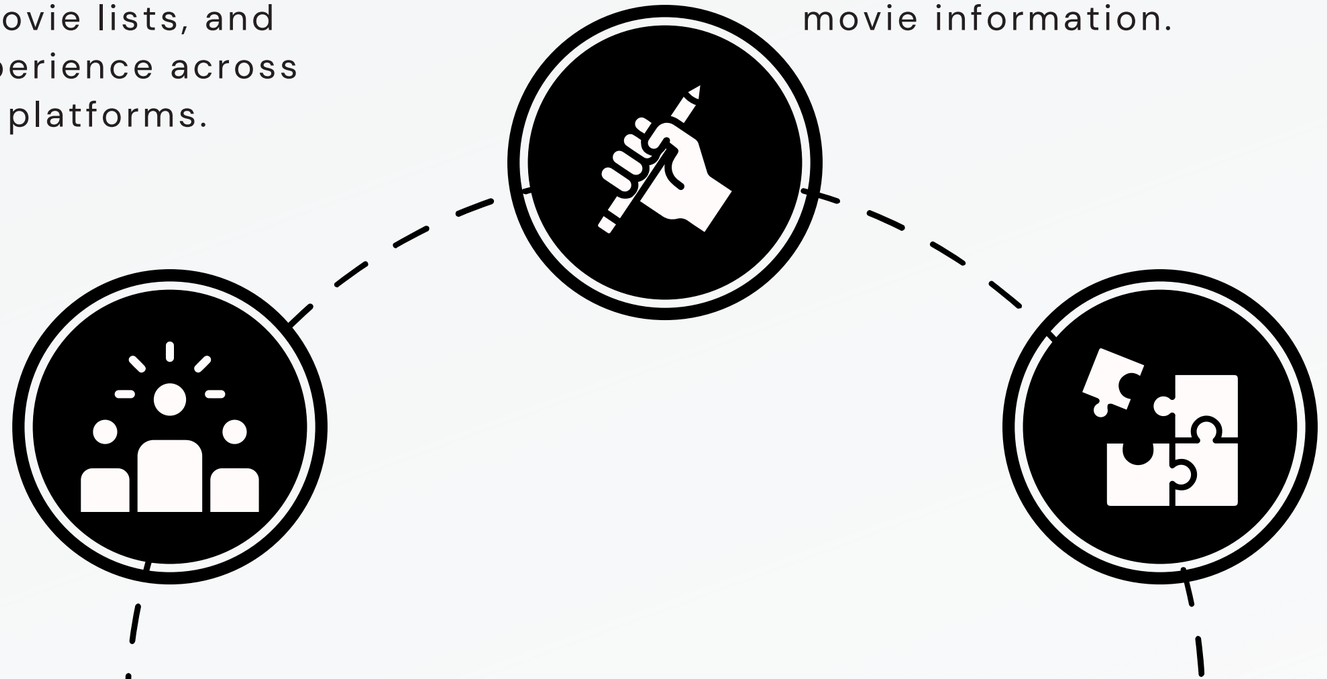
PROBLEM STATEMENT

Objective

The main challenge was to create an engaging and user-friendly platform where movie enthusiasts could access detailed information about their favorite films, manage their personal movie lists, and enjoy a seamless user experience across both web and mobile platforms.

Key Points

- Lack of a centralized platform for movie information and management.
- Need for a responsive and user-friendly interface.
- Importance of robust backend to handle user data and movie information.



DEVELOPMENT PHASES

A structured approach divided into clear phases ensured a smooth and efficient development process.

01

SERVERSIDE

Built a robust API using Node.js, Express.js, and MongoDB, serving as the backbone of the application.

02

REACT

Developed a user-friendly and responsive interface using React.

03

ANGULAR

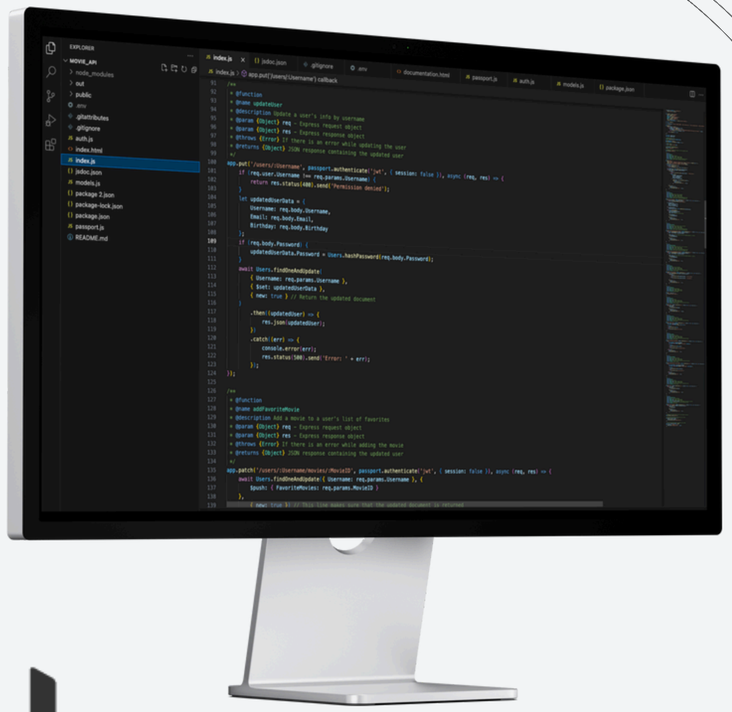
Expanded the application with a cross-platform Angular client.

04

TESTING

Completed integration, testing, and optimizations to ensure a seamless user experience.

SERVER-SIDE DEVELOPMENT



Content:

- **Objective:** Building the server-side infrastructure for the myFlix app.
- **Technologies:** Node.js, Express.js, MongoDB, Mongoose.

- **Core Features:**
  - Return a list of all movies.
  - Return data about a single movie, genre, or director.
  - User registration and profile management.
  - Manage favorite movies list.

Challenges:

- Integration of security features (e.g., authentication).
- Optimization of API performance.

CLIENT-SIDE DEVELOPMENT (REACT)

Content:

- **Objective:** Create a user-friendly, responsive single-page application.
- **Technologies:** React, Bootstrap, Parcel.
- **Core Features:**
  - **Main View:** Display all movies, filter by title.
  - **Single Movie View:** Show movie details and manage the favorites list.
  - **Login and Signup Views:** User login and registration.
  - **Profile View:** User management and editing.

Challenges:

- Implementing a seamless UI/UX.
- Ensuring the application's performance and scalability.

CLIENT-SIDE DEVELOPMENT (ANGULAR)

Content:

- **Objective:** Develop an alternative frontend version of the myFlix app using Angular.
- **Technologies:** Angular, TypeScript, SCSS.
- **Core Features:**
  - **Main View:** Display all movies, filter by title.
  - **Single Movie View:** Show movie details and manage the favorites list.
  - **Login and Signup Views:** User login and registration.
  - **Profile View:** User management and editing.

Challenges:

- Managing different frameworks (React and Angular) and comparing their pros and cons.
- Adapting the code for different platforms.

SUMMARY AND CONCLUSION

- Successful implementation of both the server-side and client-side.
- Utilization of modern web technologies to create a fully functional app.
- Comparative insights into Angular and React for large web projects.

SUCCESSES N°1

- Handling complex data structures.
- Enhancing teamwork and communication skills.
- Understanding the differences and strengths of Angular vs. React.

LESSONS N°2

- Plans for further optimization and feature enhancements.
- Considerations for scaling the application.
- Potential areas for future development or research.

OUTLOOK N°3

TESTIMONIALS

Officer Peanut

★★★★★

The myFlix app completely transformed how I organize and track my favorite movies. The user-friendly design and smooth functionality make it a joy to use every day.

Sam

★★★★★

Finally, an app that lets me easily manage my movie collection across all devices! The seamless experience between the web and mobile versions is fantastic. It works even in heaven!

STATISTICS

95% of users reported finding the user interface intuitive and easy to navigate.

THANK'S FOR WATCHING

Explore the Live Demos:

- *myFlix React Demo*
- *myFlix Angular Demo*